

CORRES. CONTROL

OUTGOING LTR. NO.

DOE ORDER # 4700.1

03-RF-01373

DIST.	LTR	ENC
DIETER, T.		
FERRERA, D.W.		
FERRI, M.S.		
LINDSAY, D.		
LYLE, J.		
MARTINEZ, L. A.		
PARKER, A.		
POWERS, K.		
SHELTON, D.C.		
SPEARS, M.S.		
TRICE, K.D.		
TUOR, N. R.		



AGUILAR, P.		
ALBIN, C.		
AUBLE, M.		
BEAN, C.		
BUTLER, J. L.		
DECK, C.		
FRANCIS, M.		
FREIBOTH, C.		
GEIS, A.		
GIBBS, F.	X	
HUMSTON, T.		
KNAPP, S.		
LINSINBGLER, H.		
MYERS, K.		
NESTA, S.	X	X
OLIVER, R.		
OMAN, K.		
PLAPPERT, R.		
PRIMROSE, A.		
RICHARDELLA, R.		
ROSENMAN, A.		
SNYDER, D.P.		
THOMPSON, J.		
WIEMELT, K.		

AUBLE, M.	X	X
JENSEN, N.	X	X
CORRES. CONTROL	X	X
ADMIN RECRD/T130G	X	X
TRAFFIC		
PATS/130		

CLASSIFICATION:		
UCNI		
UNCLASSIFIED		
CONFIDENTIAL		
SECRET		

AUTHORIZED CLASSIFIER	
SIGNATURE:	
DOCUMENT CLASSIFICATION	
DATE REVIEW WAIVER PER	
CLASSIFICATION OFFICE	
IN REPLY TO RFP CC NO.:	

ACTION ITEM STATUS:	
<input type="checkbox"/> PARTIAL/OPEN	
<input type="checkbox"/> CLOSED	
LTR APPROVALS:	

ORIG. & TYPIST INITIALS:	
SMN:pvt	

RF-46469(Rev.9/94)

September 9, 2003

03-RF-0137

Steve Tower
D&D Program Lead
DOE, RFFO

TRANSMITTAL OF CLOSE-OUT REPORT FOR BUILDING 790 – FEG-027-03

Attached is the Closeout Report for the Type 1 facility Building 790. Please note that copies of these reports have been submitted to the CERCLA AR by the Kaiser-Hill RISS project.

Please contact Steve NESTA x6386 with questions or concerns.

Frank E. Gibbs

Frank E. Gibbs
Deputy Project Manager
Remediation, Industrial D&D, and Site Services

Attachments:
As Stated

SMN:pvt

Orig. and 1 cc – Steve Tower

cc:
Joe Legare

ST 800
ST 800
ST 800
ST 800

ADMIN RECORD

Kaiser-Hill Company, L L C

Rocky Flats Environmental Technology Site, 10808 Hwy. 93 Unit B, Golden, CO 80403-8200 ♦ 303-966-7000
IA-A-001630

1
39

Type 1 Facility Closeout Report

Section A. Facility Data	
Facility No.	Building 790
Facility Descriptor:	Radiation Calibration Laboratory
Project:	RISS: Area 4
Date of Demolition:	July 9, 2003
Additional Information:	Type 1 Facility, Incidental spill of Propylene Glycol & Hydraulic fluid, Steve Nesta provided guidance for the clean up. Rough contour grading complete. Demolition 4 feet below the finished grade. Environmental approved concrete in the ground and back filled. Drain ditch was restored per the Environmental checklist.
<i>(Must include information on environmental releases and conditions of site at turnover to Environmental Restoration)</i>	

Section B. Final Characterization Data	
Reconnaissance Level Characterization Report <i>(concurrence received)</i>	RLCR approval letter dated April 15, 2003
In-process Characterization	Release Evaluation Form #s 030514-T1301-001, 030404-00559-001, 030508-00559-002, 030404-00559-002, 030623-00559-001, 020826-T130C-001, & 030530-00559-002 (attached). Package Inventory Forms SCO-00790-00001 & SCO-00790-00002 (attached).
Pre-Demolition Survey Report <i>(approval received)</i>	N/A Type 1 facility
Post-Demolition Survey Report <i>(as necessary)</i>	N/A Type 1 facility

Section C. Waste Data <i>(complete categories as appropriate)</i>	
<u>Sanitary Disposal</u>	
	Demolition debris (concrete & metal)
Disposal Site:	Front Range Landfill, Erie, CO
Waste Volume (m ³):	Approximately 3280 yd ³
Waste Weight (tons):	1755.71
Additional Information:	
<u>Hazardous Disposal</u>	
	Propylene Glycol & Water Solution
Disposal Site:	RFETS B995 Sanitary Waste System
Waste Volume (m ³):	75 gallons
Additional Information:	This liquid was drained from the chiller system.
<u>TSCA Waste Disposal</u>	
	N/A
Disposal Site:	
Waste Volume (m ³):	
Additional Information:	
<u>Asbestos Waste Disposal</u>	
	N/A
Disposal Site:	
Waste Volume (m ³):	
Additional Information:	
<u>Low-Level Waste Disposal</u>	
	SCO Waste-Metal Boxes
Disposal Site:	
Waste Volume (m ³):	
Additional Information:	7846 lbs
<u>Low-Level Mixed Waste Disposal</u>	
	N/A
Disposal Site:	
Waste Volume (m ³):	
Additional Information:	
<u>Recycled Material</u>	
Recycle Facility:	Lead
Waste Volume (m ³):	PU&D
Additional Information:	1 yd ³
<u>Property Disposition</u>	
	N/A
Receiver Locations <i>(major items only)</i> :	
Volume (m ³):	
Weight (tons):	
Additional Information:	

2

Type 1 Facility Closeout Report

Section D. Approvals

Kaiser-Hill Project Manager

M. H. Auble
Name/Signature

[Signature]

7/15/03

Date



Property



Waste



Sample

RELEASE EVALUATION FORM

Page 1 of 4

#4

Release Evaluation No.: 030514-T130I-001 EXTENDED: No EXPIRES: 12/31/03 Charge No.:

EFD790PE

PART I

SENDER/CUSTODIAN ACKNOWLEDGEMENT

Description of Property/Waste/Sample To Be Released/Transferred: Building 790 asphalt, concrete, and construction debris

Current Location: Building 790

Destination: Front Range Landfill, 1830 Weld County Road 5, Erie, CO, 80112 or

BFI landfill, 88th and Tower Road, Commerce City, Colorado

New Recipient/Custodian: Same as above

History/Process Knowledge: Building 790 was designed to perform radimetric calibration. Specifically it used to expose thermoluminescent dosimeters (TLD) and calibrate site health physics instrumentation. The building consists of three irradiation cells (A, B, C) and instrument calibration support area, a control room, and an office area. This facility used and stored sealed sources and X-Ray generating equipment.

Has the specified material ever been in an RBA/CA or contacted DOE controlled radioactive materials? Yes

- 1) By signing below, I certify information provided in Part I of this release evaluation to be true and accurate.
- 2) By signing below, I agree to comply with the specific requirements noted in Part II of this release evaluation.

Sender/Custodian: Greg Curtis / *Greg K Curtis* Emp. No. [REDACTED]

Date: 5/15/03 Ext: 5638

PART II

RADIOLOGICAL ENGINEERING

SPECIFIC REQUIREMENTS AND/OR COMMENTS:

B790s construction debris has met all of the requirements for unrestricted release as specified in the RFETS Pre-Demolition Survey Plan for D&D Facilities. A detailed sampling and analysis plan was prepared and conducted to meet the requirements of the aforementioned document, including adequate radiological surveys. All collected radiological data met the Quality Control/Assurance objectives, and all readings were lower than applicable unrestricted release limits. As a result, no further radiological characterization is required prior to unrestricted release for all the above ground material, however the concrete and asphalt requires radiological surveys on 15% of the top and bottom of the materials prior to disposition.

Copies of all applicable documentation are attached to this release evaluation (including cover page of the RLCR with appropriate approval signatures).

- 1.) *Custodian, ensure that all soil is removed from the collected waste upon demolition, prior to waste disposal. If indicated waste/soil is to remain at the applicable current locations, this statement may be disregarded. This release evaluation does not address the removal of soil from the site. Custodian is responsible for ensuring this requirement is met.*
- 2.) *Custodian, retain a copy of all documents required by this release evaluation. The sender/custodian will be responsible for ensuring a copy of this release evaluation is available for auditing/due diligence purposes.*
- 3.) *Radiological Engineer, process release evaluation to indicate an unrestricted free-release. Sign all appropriate documentation required for the disposition of the affected items.*

Release Evaluation #: 030514-T130I-001Page 2 of 4

Evaluated: Robert English / Robert English Emp. No: [REDACTED] Date: 6-10-03 Ext: 5551
 Radiological Engineer

APPROVAL FOR TRANSFER/SHIPMENT

Approved: Roger Worrick / [Signature] Emp. No: [REDACTED] Date: 6/10/03 Ext: 3357
 Radiological Engineer

PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS**Release Evaluation for Waste:**

A Release Evaluation for Waste requires an evaluation and unrestricted release approval signature. The evaluation signature is by the Radiological Engineer (RE) providing the methods or criteria for unrestricted release (i.e., survey requirements, analytical requirements, no survey required, etc.). The unrestricted release approval signature for a Release Evaluation for Waste shall be a RE authorized to provide unrestricted release approval. In addition, the evaluation and unrestricted release approval signatures shall not be the same RE. The intent of this provision is to provide peer review of the evaluation and method of unrestricted release. It is important the RE take the peer review process seriously and not become a "rubber stamp" for their fellow engineer.

Release Evaluation for Property:

A Release Evaluation for Property requires an evaluation and unrestricted release approval signature. For a Release Evaluation for Property, the evaluation and unrestricted release signature may be the same RE. In the past, only one signature was required for property for which a RE could provide an unrestricted release on the basis of process knowledge/history.

Release Evaluation for Samples:

Samples are any waste or material that is being shipped to an off-site facility for analysis. Samples that may be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques may be authorized for shipment to an off-site facility using the signatory requirements specified for property. Samples which cannot be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques shall be authorized for shipment from the Site using the methodology specified for waste, i.e., second signature being provided by a RE authorized to perform peer review and approval for shipment.

PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTSRelease Evaluation #: 030514-T130I-001Page 3 of 4

The approval for transfer/shipment section of a Sample Release Evaluation (SRE) shall be revised as noted below for samples which cannot be provide with an unrestricted release.

"The samples specified in Part 1 of this release evaluation are being provided with authorization for transport as non-radioactive materials in accordance with Department of Transportation (49 CFR) regulation. This authorization for shipment does not constitute an unrestricted release."

Additional Documentation:

Number of lines per section may be modified or additional pages attached to ensure adequate documentation of information necessary to perform release evaluation.

Additional pages or attachments to a release evaluation shall have the evaluation number, Page ___ of ___, initials of Radiological Engineer signing approval for transfer/shipment and date.

ROCKY PLAINS ENVIRONMENTAL TECHNOLOGY SITE

INSTRUMENT DATA

Mfg.	Eberline	Mfg.	NE	Mfg.	NA	Survey Type:	Contamination- Radiation		
Model	SAC 4	Model	Electra	Model	NA	Building:	Bldg 790		
Serial #	959	Serial #	1238	Serial #	NA	Location:	General Area		
Cal Due	7/9/03	Cal Due	9/7/03	Cal Due	NA	Purpose:	Release		
Bkg	0.2 cpm α	Bkg	0 cpm α	Bkg	NA cpm α	RWP #:	NA		
Efficiency	33.00 %	Efficiency	21.50 %	Efficiency	N/A %	Date:	6/30/03	Time:	13:15:00 PM
MDA	20 dpm α	MDA	13 dpm α	MDA	N/A dpm α	RCT:	NA	NA	NA
Mfg.	Eberline	Mfg.	NE	Mfg.	NA	Print name	Signature Emp. #		
Model	BC 4	Model	Electra	Model	NA	RCT:	J. Kennedy		
Serial #	835	Serial #	1238	Serial #	NA	Print name	Signature Emp. #		
Cal Due	9/19/03	Cal Due	3/31/01	Cal Due	NA				
Bkg	30.8 cpm β	Bkg	375 cpm β	Bkg	NA cpm β				
Efficiency	25.00 %	Efficiency	31.00 %	Efficiency	N/A %				
MDA	200 dpm β	MDA	299 dpm β	MDA	N/A dpm β				

PRN/REN #: 030514-T1301-001

Comments: Scanned 15% of exposed surfaces on concrete rubble from bldg 790

SURVEY RESULTS

Swipe #	Location / Description Results in DPM/100sq.cm	Removable		Total		MAP
		Alpha	Beta	Alpha	Beta	
1	Concrete Rubble	< 20	< 200	< 13	< 299	N/A
2	Asphalt Rubble	< 20	< 200	< 13	< 299	
3	Asphalt Rubble	< 20	< 200	< 13	< 299	
4	Asphalt Rubble	< 20	< 200	< 13	< 299	
5	Asphalt Rubble	< 20	< 200	< 13	< 299	
6	Asphalt Rubble	< 20	< 200	< 13	< 299	
7	Asphalt Rubble	< 20	< 200	< 13	< 299	
8	Asphalt Rubble	< 20	< 200	< 13	< 299	
9	Asphalt Rubble	< 20	< 200	< 13	< 299	
10	Asphalt Rubble	< 20	< 200	< 13	< 299	
11	Asphalt Rubble	< 20	< 200	< 13	< 299	
12	Asphalt Rubble	< 20	< 200	< 13	< 299	
13	Asphalt Rubble	< 20	< 200	< 13	< 299	
14	Asphalt Rubble	< 20	< 200	< 13	< 299	
15	Asphalt Rubble	< 20	< 200	< 13	< 299	
16	Asphalt Rubble	< 20	< 200	< 13	< 299	
17	Asphalt Rubble	< 20	< 200	< 13	< 299	
18	Asphalt Rubble	< 20	< 200	< 13	< 299	
19	Asphalt Rubble	< 20	< 200	< 13	< 299	
20	Asphalt Rubble	< 20	< 200	< 13	< 299	
21	Asphalt Rubble	< 20	< 200	< 13	< 299	
22	Asphalt Rubble	< 20	< 200	< 13	< 299	
23	Asphalt Rubble	< 20	< 200	< 13	< 299	
24	Asphalt Rubble	< 20	< 200	< 13	< 299	
25	Asphalt Rubble	< 20	< 200	< 13	< 299	

Date Reviewed: JUL 01 2003 RS Supervision:

Print Name

Signature



Property



Waste



Sample

RELEASE EVALUATION FORMPage 1 of 4

Release Evaluation No.: 030728-T130I-003 EXTENDED: NA EXPIRES: NA Charge No.: EHE790DM
PART I SENDER/CUSTODIAN ACKNOWLEDGEMENT

Description of Property/Waste/Sample To Be Released/Transferred: Lead shielding from the elevator

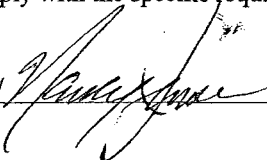
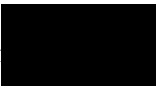
Current Location: RFETS Building 790

Destination: PU &D Rick Dahlin X6509

History/Process Knowledge: Building 790 was designed to perform radiometric calibrations. These areas have never been posted as a CA/RBA, and have met all of the requirements for a non-contaminated area. All associated radiological surveys indicate there are no radiological concerns with this building and its contents.

Has the specified material ever been in an RBA/CA or contacted DOE controlled radioactive materials? No

- 1) By signing below, I certify information provided in Part I of this release evaluation to be true and accurate.
- 2) By signing below, I agree to comply with the specific requirements noted in Part II of this release evaluation.

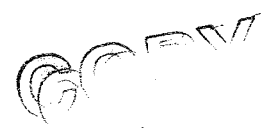
Sender/Custodian: Nancy Jensen  Emp. No.  Date: 7/29/03 Ext: 4161

PART II**RADIOLOGICAL ENGINEERING****SPECIFIC REQUIREMENTS AND/OR COMMENTS:**

The B790 facility and the remaining equipment has met all of the requirements for unrestricted release as specified in the RFETS Pre-Demolition Survey Plan for D&D Facilities. A detailed sampling and analysis plan was prepared and conducted to meet the requirements of the aforementioned document, including adequate radiological surveys. All collected radiological data met the Quality Control/Assurance objectives, and all readings were lower than applicable unrestricted release limits. As a result, no further radiological characterization is required prior to unrestricted release.

Copies of all applicable documentation are attached to this release evaluation (including cover page of the RLCR with appropriate approval signatures).

- 1.) Custodian, retain a copy of all documents required by this release evaluation. The sender/custodian will be responsible for ensuring a copy of this release evaluation is available for auditing/due diligence purposes.
- 2.) Radiological Engineer, process release evaluation to indicate an unrestricted free-release. Sign all appropriate documentation required for the disposition of the affected items.



Release Evaluation #: 030728-T130I-003Page 2 of

Evaluated: Robert English / Robert English Emp. No: [REDACTED] Date: 7-29-03 Ext: 5551
 Radiological Engineer

APPROVAL FOR TRANSFER/SHIPMENT

Approved: Rock Nevean Emp. No: [REDACTED] Date: 7.29.03 Ext: 3461
 Radiological Engineer

PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS**Release Evaluation for Waste:**

A Release Evaluation for Waste requires an evaluation and unrestricted release approval signature. The evaluation signature is by the Radiological Engineer (RE) providing the methods or criteria for unrestricted release (i.e., survey requirements, analytical requirements, no survey required, etc.). The unrestricted release approval signature for a Release Evaluation for Waste shall be a RE authorized to provide unrestricted release approval. In addition, the evaluation and unrestricted release approval signatures shall not be the same RE. The intent of this provision is to provide peer review of the evaluation and method of unrestricted release. It is important the RE take the peer review process seriously and not become a "rubber stamp" for their fellow engineer.

Release Evaluation for Property:

A Release Evaluation for Property requires an evaluation and unrestricted release approval signature. For a Release Evaluation for Property, the evaluation and unrestricted release signature may be the same RE. In the past, only one signature was required for property for which a RE could provide an unrestricted release on the basis of process knowledge/history.

COPY

Release Evaluation #: 030728-T130I-003

Page 3 of ____

PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS**Release Evaluation for Samples:**

Samples are any waste or material that is being shipped to an off-site facility for analysis. Samples that may be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques may be authorized for shipment to an off-site facility using the signatory requirements specified for property. Samples which cannot be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques shall be authorized for shipment from the Site using the methodology specified for waste, i.e., second signature being provided by a RE authorized to perform peer review and approval for shipment.

The approval for transfer/shipment section of a Sample Release Evaluation (SRE) shall be revised as noted below for samples which cannot be provide with an unrestricted release.

"The samples specified in Part 1 of this release evaluation are being provided with authorization for transport as non-radioactive materials in accordance with Department of Transportation (49 CFR) regulation. This authorization for shipment does not constitute an unrestricted release."

Additional Documentation:

Number of lines per section may be modified or additional pages attached to ensure adequate documentation of information necessary to perform release evaluation.

Additional pages or attachments to a release evaluation shall have the evaluation number, Page ____ of ____, initials of Radiological Engineer signing approval for transfer/shipment and date.

COPY

REN# 030728-T130I-003

Page 4 of 4

**TYPE 1
RECONNAISSANCE LEVEL CHARACTERIZATION
REPORT (RLCR)**

Building 790

REVISION 0

April 15, 2003

Reviewed by:

Don Risoli
Don Risoli, Quality Assurance

Date: 4-16-03

Reviewed by:

D.P. Snyder
D.P. Snyder, RISS ESH&Q Manager

Date: 4/16/03

Approved by:

Mike Auble
Mike Auble, K-H D&D Project Manager

Date: 4/17/03

COPY

☐

Property

☒

Waste

☐

Sample

RELEASE EVALUATION FORMPage 1 of 3Release Evaluation No.: 030404-00559-001 EXTENDED: NO EXPIRES: N/A Charge No.: N/A**PART I****SENDER/CUSTODIAN ACKNOWLEDGEMENT**

Description of Property/Waste/Sample To Be Released/Transferred:

Deuterium liquid (heavy water) used in B790 Neutron Lab

Current Location: B790

Destination: Disposal Down Sanitary Drain - (Point of Contact: Ty Vess, RFETS 303-966-6540)


New Recipient/Custodian: Disposal Down Sanitary Drain - (Point of Contact: Ty Vess, RFETS 303-966-6540)

History/Process Knowledge:

This material was used to support experiments in B790 Neutron Lab. Deuterium is a non-radioactive material (commonly called "Heavy Water") that is used to slow (or thermalize) neutrons during calibration of radiation measuring equipment. This material was delivered new to RFETS from a company called Cambridge Isotopes. It was used in a sealed sphere in conjunction with the B790 pneumatic delivery system. The system was analyzed by Radiological Engineering. Based on this review, there is no potential for activation, contact or "mixing" of DOE controlled radioactive materials.

Has the specified material ever been in an RBA/CA or contacted DOE controlled radioactive materials? NO

- 1) By signing below, I certify information provided in Part I of this release evaluation to be true and accurate.
- 2) By signing below, I agree to comply with the specific requirements noted in Part II of this release evaluation.

Sender/Custodian: Emp. No: Date: 4/4/03Ext: 4/661

RELEASE EVALUATION FORM

Page 2 of 3

Release Evaluation No.: 030404-00559-001 EXTENDED: NO EXPIRES: N/A Charge No.: N/A

PART II RADIOLOGICAL ENGINEERING SPECIFIC REQUIREMENTS AND/OR COMMENTS:

NO SURVEYS or SAMPLING REQUIRED

The items described in this release evaluation have no potential for presence of DOE controlled radioactive material. All items analyzed by B790 Radiological Engineering (R. Neveau, x3461) to ensure the items meet requirements for release from radiological controls and disposal to sanitary drain.

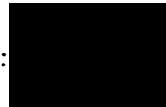
Process history and nature of the material show no potential for presence of DOE controlled radioactive material. The material may be drained from all containers and disposed down the sanitary drain.

Evaluated: _____



Radiological Engineer

Emp. No: _____



Date: _____

4.4.03

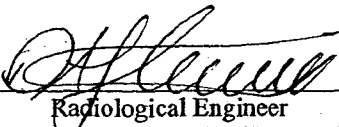
Ext: _____

3461

APPROVAL FOR TRANSFER/SHIPMENT/DISPOSAL

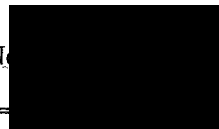
The materials described in this release evaluation have no potential for the presence of DOE controlled radioactive materials and may be disposed down the sanitary drain system.

Approved: _____



Radiological Engineer

Emp. No: _____



Date: _____

4/4/03

Ext: _____

7214

PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTSRelease Evaluation #: 030404-00559-001Page 3 of 3**Release Evaluation for Waste:**

A Release Evaluation for Waste requires an evaluation and unrestricted release approval signature. The evaluation signature is by the Radiological Engineer (RE) providing the methods or criteria for unrestricted release (i.e., survey requirements, analytical requirements, no survey required, etc.). The unrestricted release approval signature for a Release Evaluation for Waste shall be a RE authorized to provide unrestricted release approval. In addition, the evaluation and unrestricted release approval signatures shall not be the same RE. The intent of this provision is to provide peer review of the evaluation and method of unrestricted release. It is important the RE take the peer review process seriously and not become a "rubber stamp" for their fellow engineer.

Release Evaluation for Property:

A Release Evaluation for Property requires an evaluation and unrestricted release approval signature. For a Release Evaluation for Property, the evaluation and unrestricted release signature may be the same RE. In the past, only one signature was required for property for which a RE could provide an unrestricted release on the basis of process knowledge/history.

Release Evaluation for Samples:

Samples are any waste or material that is being shipped to an off-site facility for analysis. Samples that may be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques may be authorized for shipment to an off-site facility using the signatory requirements specified for property. Samples which cannot be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques shall be authorized for shipment from the Site using the methodology specified for waste, i.e., second signature being provided by a RE authorized to perform peer review and approval for shipment.

The approval for transfer/shipment section of a Sample Release Evaluation (SRE) shall be revised as noted below for samples which cannot be provide with an unrestricted release.

"The samples specified in Part 1 of this release evaluation are being provided with authorization for transport as non-radioactive materials in accordance with Department of Transportation (49 CFR) regulation. This authorization for shipment does not constitute an unrestricted release."

Additional Documentation:

Number of lines per section may be modified or additional pages attached to ensure adequate documentation of information necessary to perform release evaluation.

Additional pages or attachments to a release evaluation shall have the evaluation number, Page of , initials of Radiological Engineer signing approval for transfer/shipment and date.

☐ Property ☒ Waste ☐ Sample

RELEASE EVALUATION FORM

Page 1 of 3Release Evaluation No.: 030508-00559-002 EXTENDED: NO EXPIRES: N/A Charge No.: N/A

PART I

SENDER/CUSTODIAN ACKNOWLEDGEMENT

Description of Property/Waste/Sample To Be Released/Transferred:

Four (4) Lead-acid batteries used in B790 Calibration Facility

Current Location: B790

Destination: B331, RFETS


New Recipient/Custodian: B331, RFETS - (Point of Contact: Bill Brokaw, RFETS 303-966-2628)

History/Process Knowledge:

This material was used to support non-radiological operations in B790 Calibration Facility. The material was used in the SIMPLEX (SIO) system for the facility - a non-radiological system. The system was analyzed by Radiological Engineering. Based on this review, there is no potential for activation, contact or "mixing" of DOE controlled radioactive materials.

Has the specified material ever been in an RBA/CA or contacted DOE controlled radioactive materials? NO

- 1) By signing below, I certify information provided in Part I of this release evaluation to be true and accurate.
- 2) By signing below, I agree to comply with the specific requirements noted in Part II of this release evaluation.

Sender/Custodian: Emp. No: Date: 5/8/03Ext: 4161

COPY

RELEASE EVALUATION FORM

Page 2 of 3


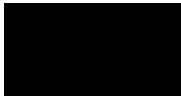
Release Evaluation No.: 030508-00559-002 EXTENDED: NO EXPIRES: N/A Charge No.: N/A

PART II RADIOLOGICAL ENGINEERING SPECIFIC REQUIREMENTS AND/OR COMMENTS:

NO SURVEYS or SAMPLING REQUIRED

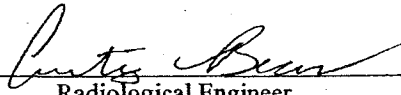
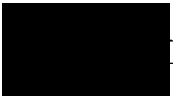
The materials described in this release evaluation have no potential for presence of DOE controlled radioactive material. All items analyzed by B790 Radiological Engineering (R. Neveau, x3461) to ensure the items meet requirements for release from radiological controls and disposal/recycle at the destination listed on page one of this release evaluation.

Process history and nature of the material show no potential for presence of DOE controlled radioactive material. The material may be drained from all containers and disposed at the destination listed on page one of this release evaluation.

Evaluated:  Emp. No:  Date: 5-8-03 Ext: 3461
Radiological Engineer

APPROVAL FOR TRANSFER/SHIPMENT/DISPOSAL

The materials described in this release evaluation have no potential for the presence of DOE controlled radioactive materials and may be released from radiological controls and disposed at the destination listed on this release evaluation.

Approved:  Emp. No:  Date: 5/8/03 Ext: 2069
Radiological Engineer

COPY

PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS

Release Evaluation #: 030508-00559-002

Page 3 of 3

Release Evaluation for Waste:

A Release Evaluation for Waste requires an evaluation and unrestricted release approval signature. The evaluation signature is by the Radiological Engineer (RE) providing the methods or criteria for unrestricted release (i.e., survey requirements, analytical requirements, no survey required, etc.). The unrestricted release approval signature for a Release Evaluation for Waste shall be a RE authorized to provide unrestricted release approval. In addition, the evaluation and unrestricted release approval signatures shall not be the same RE. The intent of this provision is to provide peer review of the evaluation and method of unrestricted release. It is important the RE take the peer review process seriously and not become a "rubber stamp" for their fellow engineer.

Release Evaluation for Property:

A Release Evaluation for Property requires an evaluation and unrestricted release approval signature. For a Release Evaluation for Property, the evaluation and unrestricted release signature may be the same RE. In the past, only one signature was required for property for which a RE could provide an unrestricted release on the basis of process knowledge/history.

Release Evaluation for Samples:

Samples are any waste or material that is being shipped to an off-site facility for analysis. Samples that may be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques may be authorized for shipment to an off-site facility using the signatory requirements specified for property. Samples which cannot be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques shall be authorized for shipment from the Site using the methodology specified for waste, i.e., second signature being provided by a RE authorized to perform peer review and approval for shipment.

The approval for transfer/shipment section of a Sample Release Evaluation (SRE) shall be revised as noted below for samples which cannot be provide with an unrestricted release.

"The samples specified in Part 1 of this release evaluation are being provided with authorization for transport as non-radioactive materials in accordance with Department of Transportation (49 CFR) regulation. This authorization for shipment does not constitute an unrestricted release."

Additional Documentation:

Number of lines per section may be modified or additional pages attached to ensure adequate documentation of information necessary to perform release evaluation.

Additional pages or attachments to a release evaluation shall have the evaluation number, Page ___ of ___, initials of Radiological Engineer signing approval for transfer/shipment and date.

17



Property



Waste



Sample

RELEASE EVALUATION FORMPage 1 of 3Release Evaluation No.: 030404-00559-002 EXTENDED: NO EXPIRES: N/A Charge No.: N/A**PART I****SENDER/CUSTODIAN ACKNOWLEDGEMENT**

Description of Property/Waste/Sample To Be Released/Transferred:

Deuterium sphere and associated materials/equipment used in B790 Neutron Lab

Current Location: B790

Destination: Alpha Group & Associates, 11575 Main St., Ste. 300, Broomfield, CO 80020 - (Point of Contact: Don Newton)

New Recipient/Custodian: Alpha Group & Associates, 11575 Main St., Ste. 300, Broomfield, CO 80020 - (Point of Contact: Don Newton)

History/Process Knowledge:

This material as used to support experiments in B790 Neutron Lab. Deuterium is a non-radioactive material (commonly called "Heavy Water") that is used to slow (or thermalize) neutrons during calibration of radiation measuring equipment. The sphere was used to provide good geometry during instrument calibration work. The sphere accommodated a pneumatic delivery system the delivered sealed sources into and out of the sphere. All materials were sealed and inspected regularly. The system and sphere described in this release evaluation was analyzed by Radiological Engineering. Based on this review, there is no potential for contact or "mixing" of DOE controlled radioactive materials.

Has the specified material ever been in an RBA/CA or contacted DOE controlled radioactive materials? NO

- 1) By signing below, I certify information provided in Part I of this release evaluation to be true and accurate.
- 2) By signing below, I agree to comply with the specific requirements noted in Part II of this release evaluation.

Sender/Custodian: Emp. N Date: 4/4/03Ext: 4161

RELEASE EVALUATION FORM

Page 2 of 3



Release Evaluation No.: 030404-00559-002 EXTENDED: NO EXPIRES: N/A Charge No.: N/A

PART II RADIOLOGICAL ENGINEERING SPECIFIC REQUIREMENTS AND/OR COMMENTS:

NO SURVEYS or SAMPLING REQUIRED

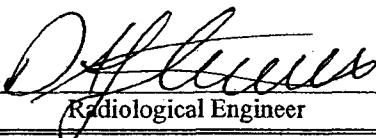
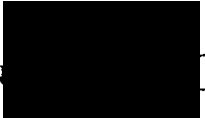
The items described in this release evaluation have no potential for presence of DOE controlled radioactive material. All items analyzed by B790 Radiological Engineering (R. Neveau, x3461) to ensure the items meet requirements for release from radiological controls and disposal to sanitary drain.

Process history and nature of the material show no potential for presence of DOE controlled radioactive material. In addition, the area (neutron Lab) has undergone extensive surveys. No DOE controlled radioactive materials were detected during these routine and Pre-Demolition Surveys. The material may be removed from the area and delivered to the destination listed on this release evaluation with no radiological surveys or radiological controls.

Evaluated:  Emp. No:  Date: 4-4-03 Ext: 3461
Radiological Engineer

APPROVAL FOR TRANSFER/SHIPMENT/DISPOSAL

The materials described in this release evaluation have no potential for the presence of DOE controlled radioactive materials. The materials may be released from radiological controls and delivered to the destination listed on this release evaluation.

Approved:  Emp. No:  Date: 4/4/03 Ext: 7214
Radiological Engineer

PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS

Release Evaluation #: 030404-00559-002

Page 3 of 3

Release Evaluation for Waste:

A Release Evaluation for Waste requires an evaluation and unrestricted release approval signature. The evaluation signature is by the Radiological Engineer (RE) providing the methods or criteria for unrestricted release (i.e., survey requirements, analytical requirements, no survey required, etc.). The unrestricted release approval signature for a Release Evaluation for Waste shall be a RE authorized to provide unrestricted release approval. In addition, the evaluation and unrestricted release approval signatures shall not be the same RE. The intent of this provision is to provide peer review of the evaluation and method of unrestricted release. It is important the RE take the peer review process seriously and not become a "rubber stamp" for their fellow engineer.

Release Evaluation for Property:

A Release Evaluation for Property requires an evaluation and unrestricted release approval signature. For a Release Evaluation for Property, the evaluation and unrestricted release signature may be the same RE. In the past, only one signature was required for property for which a RE could provide an unrestricted release on the basis of process knowledge/history.

Release Evaluation for Samples:

Samples are any waste or material that is being shipped to an off-site facility for analysis. Samples that may be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques may be authorized for shipment to an off-site facility using the signatory requirements specified for property. Samples which cannot be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques shall be authorized for shipment from the Site using the methodology specified for waste, i.e., second signature being provided by a RE authorized to perform peer review and approval for shipment.

The approval for transfer/shipment section of a Sample Release Evaluation (SRE) shall be revised as noted below for samples which cannot be provide with an unrestricted release.

"The samples specified in Part 1 of this release evaluation are being provided with authorization for transport as non-radioactive materials in accordance with Department of Transportation (49 CFR) regulation. This authorization for shipment does not constitute an unrestricted release."

Additional Documentation:

Number of lines per section may be modified or additional pages attached to ensure adequate documentation of information necessary to perform release evaluation.

Additional pages or attachments to a release evaluation shall have the evaluation number, Page __ of __, initials of Radiological Engineer signing approval for transfer/shipment and date.

☐ Property ☒ Waste ☐ Sample

RELEASE EVALUATION FORM

Page 1 of 3

Release Evaluation No.: 030623-00559-001 EXTENDED: NO EXPIRES: n/a Charge No.: n/a

Revision 1

COPY

PART I

SENDER/CUSTODIAN ACKNOWLEDGEMENT

Description of Property/Waste/Sample To Be Released/Transferred:

Approximately 75 gallons (2 drums) of Propylene and water solution (mixture) drained from the B790 "Chiller" system.

Current Location: 559 Cluster

Destination: RFETS B995 Sanitary Waste Sysytem

New Recipient/Custodian: RFETS B995 Sanitary Waste System(RFETS Contact: F. Huffman, 303-966-6290)

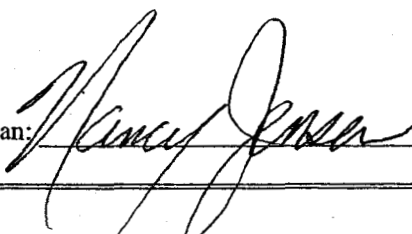
History/Process Knowledge: The samples were obtained from an area that was never posted or controlled for radiological purposes. The Propylene solution was drained from the "chiller" system, which does not feed or drain from any process lines. There is little or no potential for this material to have contacted DOE controlled radioactive material.

This area has undergone routine surveys over the last several years and have never shown the presence of DOE controlled radioactive materials. B790 has also recently undergone a MARSSIM/PDS survey of the entire facility, releasing the facility from radiological controls. DOE radioactive materials were not detected during this survey. Based on the history, use, and contamination surveys performed in this area, the material governed by this release evaluation have no potential for containing DOE controlled radioactive material.

Has the specified material ever been in an RMMA/RBA/CA or contacted DOE controlled radioactive materials? NO

- 1) By signing below, I certify information provided in Part I of this release evaluation to be true and accurate.
- 2) By signing below, I agree to comply with the specific requirements noted in Part II of this release evaluation.

Sender/Custodian:



Employee No



Date:

7/1/03

Ext

4461

☐ Property ☒ Waste ☐ Sample

RELEASE EVALUATION FORM

Page 2 of 3

Release Evaluation No.: 030623-00559-001 EXTENDED: NO EXPIRES.: n/a Charge No.: n/a

Revision 1

PART II

RADIOLOGICAL ENGINEERING

COPY

SPECIFIC REQUIREMENTS AND/OR COMMENTS:

NO SURVEYS or SAMPLES REQUIRED

The Propylene and water solution mixture has run through a system that has no potential for contact with DOE controlled radioactive materials. The process history and use of this material shows no potential for presence of DOE controlled radioactive materials. Sampling or surveys are not required for transport or disposal of this material.

Evaluated: [Signature] Emp. No. [Redacted] Date: 7/11/03 Ext: N/A Pager 212-1319
Radiological Engineer

APPROVAL FOR TRANSFER/SHIPMENT

The materials listed in this release evaluation (and containers used to store this material) do not require any characterization or radiological surveys for transport or disposal. There are no radiological concerns associated with this material.

Approved: K. Konze [Signature] Emp. No. [Redacted] Date: 7/11/03 Ext: 3268 Pager 1176
Radiological Engineer

PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS

Release Evaluation #: 030623-00559-001 Page 3 of 3

Revision 1

Release Evaluation for Waste:

COPY

A Release Evaluation for Waste requires an evaluation and unrestricted release approval signature. The evaluation signature is by the Radiological Engineer (RE) providing the methods or criteria for unrestricted release (i.e., survey requirements, analytical requirements, no survey required, etc.). The unrestricted release approval signature for a Release Evaluation for Waste shall be a RE authorized to provide unrestricted release approval. In addition, the evaluation and unrestricted release approval signatures shall not be the same RE. The intent of this provision is to provide peer review of the evaluation and method of unrestricted release. It is important the RE take the peer review process seriously and not become a "rubber stamp" for their fellow engineer.

Release Evaluation for Property:

A Release Evaluation for Property requires an evaluation and unrestricted release approval signature. For a Release Evaluation for Property, the evaluation and unrestricted release signature may be the same RE. In the past, only one signature was required for property for which a RE could provide an unrestricted release on the basis of process knowledge/history.

Release Evaluation for Samples:

Samples are any waste or material that is being shipped to an off-site facility for analysis. Samples that may be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques may be authorized for shipment to an off-site facility using the signatory requirements specified for property. Samples which cannot be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques shall be authorized for shipment from the Site using the methodology specified for waste, i.e., second signature being provided by a RE authorized to perform peer review and approval for shipment.

The approval for transfer/shipment section of a Sample Release Evaluation (SRE) shall be revised as noted below for samples which cannot be provide with an unrestricted release.

"The samples specified in Part 1 of this release evaluation are being provided with authorization for transport as non-radioactive materials in accordance with Department of Transportation (49 CFR) regulation. This authorization for shipment does not constitute an unrestricted release."

Additional Documentation:

Number of lines per section may be modified or additional pages attached to ensure adequate documentation of information necessary to perform release evaluation.

Additional pages or attachments to a release evaluation shall have the evaluation number, Page __ of __, initials of Radiological Engineer signing approval for transfer/shipment and date.

Property

Waste SampleXX

RELEASE EVALUATION FORMPage 1 of 3

Release Evaluation No.:020826-T130C-001

EXTENDED YES EXPIRES: 31 DEC 2002 Charge No.:

PART I**SENDER/CUSTODIAN
ACKNOWLEDGMENT**Description of Property/Waste/Sample To Be Released/Transferred: Sample of propylene glycol in room 108 of building 790
rin 02s0224

Current Location: SAMPLE LOCATION LISTED ABOVE IN DESCRIPTION OF PROPERTY SECTION

Destination : Severn Trent Laboratories, Inc., 4955 Yarrow St., Arvada, CO 80002

Recipient/Custodian Severn Trent Laboratories, Inc., 4955 Yarrow St., Arvada, CO 80002

History/Process Knowledge: THESE SAMPLES ARE BEING USED TO CHARACTERIZE ENVIRONMENTAL
RESTORATION PROJECT AREAS

Has the specified material ever been in an /RBA/CA or contacted DOE controlled radioactive materials? unknown

- 1) By signing below, I certify information provided in Part I of this release evaluation to be true and accurate.
- 2) By signing below, I agree to comply with the specific requirements noted in Part II of this release evaluation.

Sender/Custodian MARK SABA [REDACTED] Date: 08/26/02 Ext: 5838

*Mark T Saba***RSFORMS-9.01-01**

PART II

RADIOLOGICAL ENGINEERING

SPECIFIC REQUIREMENTS AND/OR COMMENTS

A. REQUIREMENTS:

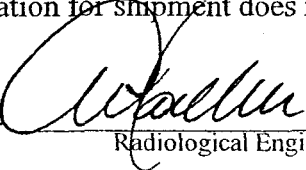
1. THE SENDER/CUSTODIAN SHALL PROVIDE A DOT RADSCREEN FOR THE SAMPLES (DUPLICATE OR REPRESENTATIVE SAMPLES ARE ACCEPTABLE) ACCEPTANCE CRITERIA IS LESS THAN 2 NANOCURIES/GRAM
2. THE SENDER CUSTODIAN SHALL ENSURE THAT AN RCT PERFORMS A CONTAMINATION SURVEY OF THE EXTERNALS OF EACH SAMPLE (AND SAMPLE BAGS WHEN APPLICABLE) IN ACCORDANCE WITH RSP 7.02. ACCEPTANCE CRITERIA SHALL BE 20 DPM/100CM2 (ALPHA) AND 1000 DPM/100CM2 (BETA)

The sender/custodian shall retain and make available to Radiological Engineering, the chain of custody and survey records for all sample shipped under the terms and conditions of the release evaluation. The sender custodian shall provide the shipper a copy of the survey and this Release Evaluation along with the samples being sent to the analytical laboratory. This release will meet the DOT (49 CFR) requirements of less than 2 nanocuries per gram

SEVERN TRENT LABS OF DENVER OPERATES UNDER RAD MATERIALS LICENSE # COLO. 486-03, AMENDMENT 3, EXPIRES 12/31/2005.

The samples specified in Part I of this release evaluation are being provided with authorization for transport as non-radioactive materials in accordance with Department of Transportation (49 CFR) regulations. This authorization for shipment does not constitute an unrestricted release.

Evaluated



Radiological Engineer

Emp. No:



Date:

08/26/02

Ext:

6385

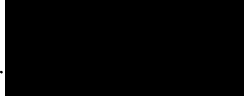
APPROVAL FOR TRANSFER/SHIPMENT

Approved:



Radiological Engineer

Emp.



Date:

8-29-02

Ext:

3370

SAMPLE RELEASE 020826-T130C-001

PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS

Release Evaluation #: 020826-T130C-001

Page 3 of __3__

Release Evaluation for Waste:

A Release Evaluation for Waste requires an evaluation and unrestricted release approval signature. The evaluation signature is by the Radiological Engineer (RE) providing the methods or criteria for unrestricted release (i.e., survey requirements, analytical requirements, no survey required, etc.). The unrestricted release approval signature for a Release Evaluation for Waste shall be a RE authorized to provide unrestricted release approval. In addition, the evaluation and unrestricted release approval signatures shall not be the same RE. The intent of this provision is to provide peer review of the evaluation and method of unrestricted release. It is important the RE take the peer review process seriously and not become a "rubber stamp" for their fellow engineer.

Release Evaluation for Property:

A Release Evaluation for Property requires an evaluation and unrestricted release approval signature. For a Release Evaluation for Property, the evaluation and unrestricted release signature may be the same RE. In the past, only one signature was required for property for which a RE could provide an unrestricted release on the basis of process knowledge/history.

Release Evaluation for Samples:

Samples are any waste or material that is being shipped to an off-site facility for analysis. Samples that may be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques may be authorized for shipment to an off-site facility using the signatory requirements specified for property. Samples which cannot be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques shall be authorized for shipment from the Site using the methodology specified for waste, i.e., second signature being provided by a RE authorized to perform peer review and approval for shipment.

The approval for transfer/shipment section of a Sample Release Evaluation (SRE) shall be revised as noted below for samples which cannot be provide with an unrestricted release.

"The samples specified in Part 1 of this release evaluation are being provided with authorization for transport as non-radioactive materials in accordance with Department of Transportation (49 CFR) regulation. This authorization for shipment does not constitute an unrestricted release."

Additional Documentation:

Number of lines per section may be modified or additional pages attached to ensure adequate documentation of information necessary to perform release evaluation.

Additional pages or attachments to a release evaluation shall have the evaluation number, Page __ of __, initials of Radiological Engineer signing approval for transfer/shipment and date.

☐ Property ☒ Waste ☐ Sample

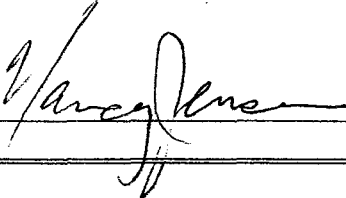
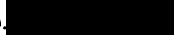
RELEASE EVALUATION FORM

Page 1 of 3Release Evaluation No.: 030530-00559-002 EXTENDED: NO EXPIRES.: _____ Charge No.: n/a**PART I SENDER/CUSTODIAN ACKNOWLEDGEMENT**

Description of Property/Waste/Sample To Be Released/Transferred:

Mercury-containing switches obtained from non-radiological area of B790. WEMS #X30168Current Location: B790Destination: RFETS Material Stewardship, RCRA Unit 1, then for off-site disposal (POC - L. Damm, x3073)New Recipient/Custodian: RFETS Material Stewardship, RCRA Unit 1, then for off-site disposal (POC - L. Damm, x3073)History/Process Knowledge: The equipment and associated materials were removed from equipment in B790. The area has been routinely surveyed over the last several years and have never shown elevated levels of activity from DOE controlled radioactive materials.Likewise, many items and pieces of equipment in these areas have been surveyed and released from radiological controls.In addition, these rooms/areas/structures have been MARSSIM-release surveyed and deemed to be free of any contamination from DOE controlled radioactive materials (MARSSIM Reports on file). The materials described in this release evaluation are from non-process areas and have never contained or contacted DOE controlled radioactive material.There is a no potential for this equipment to contain radiological contamination from DOE controlled radioactive materials.Has the specified material ever been in an RMMA/RBA/CA or contacted DOE controlled radioactive materials? NO

- 1) By signing below, I certify information provided in Part I of this release evaluation to be true and accurate.
 2) By signing below, I agree to comply with the specific requirements noted in Part II of this release evaluation.

Sender/Custodian:  Employee No.  Date: 7/9/03 Ext 4161

☐ Property ☒ Waste ☐ Sample

RELEASE EVALUATION FORM

Page 2 of 3

Release Evaluation No.: 030530-00559-002 EXTENDED: NO EXPIRES.: _____ Charge No.: n/a

PART II

RADIOLOGICAL ENGINEERING

COPY

SPECIFIC REQUIREMENTS AND/OR COMMENTS:

NO SURVEYS REQUIRED

The materials described in this release evaluation have had no potential for contacting DOE controlled radioactive materials and pose no radiological risk.

Materials were removed from areas that have been routinely surveyed over the past several years AND have been characterized under MARSSIM protocols. The areas have been found to be free of radiological contamination. No surveys are required.

Evaluated: [Signature] Emp. No: [Redacted] Date: 6-9-03 Ext: 3461 Pager 2581²¹²
Radiological Engineer

APPROVAL FOR TRANSFER/SHIPMENT

The materials described in this release evaluation have no potential for radiological contamination from DOE controlled radioactive materials. This material may be released from all radiological controls and transported to the destination listed on this release evaluation.

Approved: [Signature] Emp. No: [Redacted] Date: 6/9/03 Ext: 3357 Pager n/a
Radiological Engineer

PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTSRelease Evaluation #: 030530-00559-002 Page 3 of 3**COPY****Release Evaluation for Waste:**

A Release Evaluation for Waste requires an evaluation and unrestricted release approval signature. The evaluation signature is by the Radiological Engineer (RE) providing the methods or criteria for unrestricted release (i.e., survey requirements, analytical requirements, no survey required, etc.). The unrestricted release approval signature for a Release Evaluation for Waste shall be a RE authorized to provide unrestricted release approval. In addition, the evaluation and unrestricted release approval signatures shall not be the same RE. The intent of this provision is to provide peer review of the evaluation and method of unrestricted release. It is important the RE take the peer review process seriously and not become a "rubber stamp" for their fellow engineer.

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Release Evaluation for Samples:

Samples are any waste or material that is being shipped to an off-site facility for analysis. Samples that may be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques may be authorized for shipment to an off-site facility using the signatory requirements specified for property. Samples which cannot be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques shall be authorized for shipment from the Site using the methodology specified for waste, i.e., second signature being provided by a RE authorized to perform peer review and approval for shipment.

The approval for transfer/shipment section of a Sample Release Evaluation (SRE) shall be revised as noted below for samples which cannot be provide with an unrestricted release.

"The samples specified in Part 1 of this release evaluation are being provided with authorization for transport as non-radioactive materials in accordance with Department of Transportation (49 CFR) regulation. This authorization for shipment does not constitute an unrestricted release."

Additional Documentation:

Number of lines per section may be modified or additional pages attached to ensure adequate documentation of information necessary to perform release evaluation.

Additional pages or attachments to a release evaluation shall have the evaluation number, Page of , initials of Radiological Engineer signing approval for transfer/shipment and date.

05/01/02

ver A

Equivalent to Appendix 7

Page 1 of 1

PACKAGE INVENTORY

Package ID: B03958

Container Type: I2F - 4 X 4 X 7 IP-2 METAL BOX

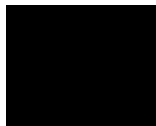
Survey Characterization Unit Nbr(s) SCO-00790-00001-REV00

Pct by Volume from this SCU 100 %

Object Number	Object Description	Object Comments
	See attached package inventory sheet, 2 pages.	

Bracing and Other Uncontaminated Packaging Material or Dunnage: 0 lb

Inventory Prepared By:
PM/WG/Customer



Print Name

R L Kennard

Signature

11-07-02

Date

Gross Package Weight

Scale Information: ID #: RF410132

Calibration Due Dt: 03/31/2003

Gross Weight: 3,030 lb

Tare Weight: 930 lb

Weight Measured By:



Emp Nbr / Print Name

R L Kennard

Signature

11-07-02

Date

APPENDIX 7

PACKAGE INVENTORY SHEET

Survey Characterization Unit # SCO-00790-

Package ID B03958

Object Description/SCU (1)	Mass (1) (2)	Remarks (For example, % of package by weight or volume)
9- Instrument Monitors		
7- Triton Instruments		
3- Sola transformers		
1- Instrument Monitors		
10- Instruments - Scales m-2000		
10- Scales m-2000 Instruments		
4- Model 300 Gamma Instrument		
2- Cadmium Balls		
Many Pencil Dosimeters (~300 units)		
EPD Dosimeters (~250 units)		
8- Gamma Alarms		
4- Motors		
20- Alpha Net Gauges		
9- Iudlum instruments		
9- Iudlum instruments		
6- test Boxes		
4- Detectors - Fidlers		
Hot Plate		
Adding machine		
Key board		
Vacuum cleaner		
3- Probe holders		
Cables		
Circuit boards		
10- Gamma Detectors		
2- Transfers		
Rack Panel Monitor RCT		
2 Lead Diodes		
15 Detectors		

(1) Completed by Requestor

(2) Units **SHALL** be designated and annotated by Requestor

Prepared: Rd Kennard

PM/WG Customer

EMP# [REDACTED]

Date 9-20-02

APPENDIX 7

PACKAGE INVENTORY SHEET

Survey Characterization Unit # SCO-00790-

Package ID B03958

[illegible]

- (1) Completed by Requestor
(2) Units **SHALL** be designated and annotated by Requestor

Prepared:

~~PM/WG/Customer~~

EMP#

Date 9-20-02

05/01/02

ver A

Equivalent to Appendix 7

Page 1 of 1

PACKAGE INVENTORY

Package ID: B04101

Container Type: I2F - 4 X 4 X 7 IP-2 METAL BOX

Survey Characterization Unit Nbr(s) SCO-00790-00001-REV00

Pct by Volume from this SCU 100 %

Object Number	Object Description	Object Comments
See attached package inventory sheet		

Bracing and Other Uncontaminated Packaging Material or Dunnage: 0 lb

Inventory Prepared By:

PM/WG/Customer

Emp Nbr / Print Name

Signature

Date

Gross Package Weight

Scale Information: ID #: RF410132

Calibration Due Dt: 03/31/2003

Gross Weight: 2,338 lb

Tare Weight: 930 lb

Weight Measured By:

Emp Nbr / Print Name

Signature

Date

APPENDIX 7

PACKAGE INVENTORY SHEET

Survey Characterization Unit # SCO-00790-

Package ID B04101

[illegible]

- (1) Completed by Requestor
(2) Units **SHALL** be designated and annotated by Requestor

Prepared: R. Kern
PM/WG/Customer

EMP#

Date 9-20-08

05/01/02

ver A

Equivalent to Appendix 7

Page 1 of 1

PACKAGE INVENTORY

Package ID: B04184

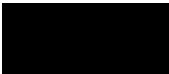
Container Type: I2F - 4 X 4 X 7 IP-2 METAL BOX

Survey Characterization Unit Nbr(s) SCO-00790-00001-REV00


Pct by Volume from this SCU 100 %

Object Number	Object Description	Object Comments
See attached package inventory sheet.		

Bracing and Other Uncontaminated Packaging Material or Dunnage:		0 lb
---	--	------

Inventory Prepared By:		<i>Rd Kennard</i>	<i>Rd Kennard</i>	<i>1/10-7-02</i>
PM/WG/Customer	Emp Nbr / Print Name	Signature	Date	

Gross Package Weight				
Scale Information: ID #: RF410132		Calibration Due Dt: 03/31/2003	Gross Weight:	2,478 lb
			Tare Weight:	930 lb

Weight Measured By:		<i>Rd Kennard</i>	<i>Rd Kennard</i>	<i>1/10-7-02</i>
	Emp Nbr / Print Name	Signature	Date	

APPENDIX 7

PACKAGE INVENTORY SHEET

Survey Characterization Unit # 00790-00001-16000 Package ID 1604184

[illegible]

- (1) Completed by Requestor
(2) Units **SHALL** be designated and annotated by Requestor

Prepared: RLK
PM/WG/Customer

EMP

Date 7-25-02

ver A

Page of

Package ID: B04375

Pct by Volume from this SCU 100 %

Bracing and Other Uncontaminated Packaging Material or Dunnage: 0.0 lb

06/25/2003

Date _____

Date _____

CORRES. CONTROL
INCOMING LTR NO.

00476 RF03

DUE DATE
ACTION

RECEIVED

2003 MAY 22 P 05

STATE OF COLORADO

Bill Owens, Governor
Douglas H. Benevento, Executive DirectorCORRESPONDENCE
CONTROL

Dedicated to protecting and improving the health and environment of the people of Colorado

4300 Cherry Creek Dr. S.
Denver, Colorado 80246-1530
Phone (303) 692-2000
TDD Line (303) 691-7700
Located in Glendale, ColoradoLaboratory and Radiation Services Division
8100 Lowry Blvd.
Denver, Colorado 80230-6928
(303) 692-3090<http://www.cdphe.state.co.us>Colorado Department
of Public Health
and Environment

DIST.	LTR	ENC
BERARDINI, J. H.	X	
BOGNAR, E. S.	X	
CROCKETT, G. A.		
DECK, C. A.	X	
DEGENHART, K. R.		
DIETER, T. J.		
DIETERLE, S. E.		
FERRERA, D. W.	X	
FERRI, M. S.		
GERMAN, A. L.		
GIACOMINI, J. J.		
ISOM, J. H.		
LINDSAY, D. C.	X	
LONG, J. W.		
LYLE, J. L.		
MARTINEZ, L. A.	X	
NAGEL, R. E.	X	
NORTH, K.	X	
PARKER, A. M.	X	
POWERS, K. P.		
RODGERS, A. D.		
SHELTON, D. C.	X	
SPEARS, M. S.		
DE K. D.		
B. N. R.	X	
LIAMS, J. L.		
PARSONS, D.	X	
AUBLE, M.	X	
NESTA, S.	X	
BUTLER, L.	X	
BROOKS, L.	X	

May 16, 2003

Mr. Richard DiSalvo

Acting Assistant Manager for Environment and Stewardship

U.S. Department of Energy, Rocky Flats Field Office

10808 Highway 93, Unit A

Golden, CO 80403-8200

RE: Reconnaissance Level Characterization Report (RLCR) for Building 790 - Concurrence

Dear Mr. DiSalvo:

The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division has reviewed the RLCR for Building 790, Revision 0 dated April 15, 2003. Based on the information contained in the RLCR we are hereby concurring with the determination that Building 790 is a Type 1 Facility.

Although we are concurring that this is a Type 1 facility, we are concerned with a possible inconsistency between statements in Section 7 and 8, which indicate that B790 does not contain nor will there be hazardous waste generated during the demolition of this building, and Section 4.3 which states that B790 contains "Lead shielding". The Lead shielding would be considered a hazardous waste. So, even though it is also indicated that this Lead shielding will be removed prior to demolition, particular attention needs to be paid during demolition for unexpected Lead shielding that may not have been removed prior to demolition. This might include doors, windows, walls, floors, etc.

This and any other issue that may be relevant to building demolition, such as disposition of below grade structures, are expected to be addressed utilizing the consultative process.

If you have any questions regarding this correspondence please contact me at (303) 692-3367 or David Kruchek at (303) 692-3328.

Sincerely,

Steven H. Gunderson
RFCA Project Coordinator

COR. CONTROL	X
ADMN. RECORD	X
PATS/130	

Reviewed for Addressee
Corres. Control RFP5/22/03
Date

By

Ref. Ltr. #

cc: Steve Tower, DOE
Tim Rehder, EPA
Duane Parsons, KH
Denise Onyskiw, CDPHEMike Auble, KH
Dave Shelton, KH
Steve Nesta, KH
Administrative Records Building T130G

ORDER #

5400.1

REN # 030514-T130I-001

Page 4 of 4


**TYPE 1
RECONNAISSANCE LEVEL CHARACTERIZATION
REPORT (RLCR)**

Building 790

REVISION 0

April 15, 2003

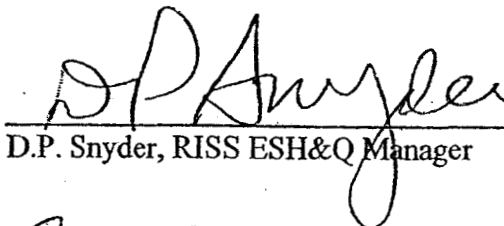
Reviewed by:



Don Risoli, Quality Assurance

Date: 4-16-03

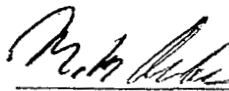
Reviewed by:



D.P. Snyder, RISS ESH&Q Manager

Date: 4/16/03

Approved by:



Mike Auble, K-H D&D Project Manager

Date: 4/17/03